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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 1645
Examiner : Kathleen M. Kerr
Serial No. : 09/805,681
Filed : March 14, 2001
Inventors : Sangita Phadtare
: Kunitoshi Yamanaka
: Ikunoshin Kato
: Masayori Inouye
Title : GENE ENCODING A
: 4,5-DIHYDROXY
: -2-CYCLOPENTAN-1-ONE
: (DHCP), EFFLUX PROTEIN
: RESISTANCE TO DHCP



35811

PATENT TRADEMARK OFFICE

Docket: 1137-R-00

Confirmation No.: 3645

Dated: March 4, 2003

AMENDMENT

Commissioner for Patents
Washington, DC 20231

Sir:

In response to the Official Action dated November 6, 2002, Applicants amend as follows:

Marked-Up Version Showing Changes Made to the Specification

Please replace the Title with the following:

Gene ~~conferring resistance to the antibacterial~~ encoding a 4,5-dihydroxy-2-cyclopenten-1-one
(DHCP), ~~the protein encoded by same, and applications thereof~~ efflux protein promoting
resistance to DHCP

On page 9, please replace the last paragraph with the following:

FIG. 4 The sequence homology between DEP(SEQ ID No. 3), Cmr(SEQ ID No. 4), CmrA
(SEQ ID No. 5), Cml(SEQ ID No. 6), Cmx(SEQ ID No. 7), CmlV(SEQ ID No. 8), BcR(SEQ ID
No. 9), Bmr3(SEQ ID No. 10), YjcC(SEQ ID No. 11) and Tet(SEQ ID No. 12). Identical and
similar sequences are marked with black and gray boxes, respectively. The consensus sequences for
transmembrane proteins are marked with dotted lines and are represented as I, II, and III stretches.

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